

## MEDICAL NEWS in brief

### POSTGRADUATE COURSE ON BASIC MECHANISMS IN INTERNAL MEDICINE

"Basic Mechanisms in Internal Medicine", Postgraduate Course No. 14 in the 1965-66 series of courses sponsored by the American College of Physicians, will be given by the University of Toronto from March 28 to April 1, 1966. The director is Dr. K. J. R. Wightman and the co-directors are Drs. J. H. Crookston, A. W. Ham, J. C. Laidlaw, L. F. W. Loach, J. W. Steiner, R. Volpé and E. D. Wigle. Sessions will be held in Osler Hall, Toronto Academy of Medicine.

This course is oriented toward the clinician who is interested in scientific mechanisms and the rationale of treatment. It will be given by a faculty selected from both basic science and clinical departments, emphasizing those areas in which active research is being carried out. The first day is devoted to functional and structural aspects of the cell. The second deals with biochemical and cytological aspects of immune and inflammatory reactions. The third day carries this theme into the fields of genetics and neoplasia. Metabolic and endocrine disorders are discussed on the fourth day and basic mechanisms of cardiovascular disease on the fifth. Ample time will be provided for discussion so that contrasting views of the participants can be fully expressed and explored.

An outline of the course follows:

#### Monday, March 28

The Cell in the Light of Clinical Disease. Chairman: Professor A. W. Ham. *Morning Session:* The Nucleus: Chromosomes—Dr. A. Axelrad; The Nucleus: The Cell Cycle—Dr. J. E. Till; From Nucleus to Cytoplasm—Dr. L. Siminovitch; Smooth and Rough-Surfaced Endoplasmic Reticulum and the Golgi Apparatus—Dr. C. P. Leblond; Cell Respiration and Energy Production—Dr. D. F. Parsons; Lysosomes—Dr. A. Novikoff. *Afternoon Session:* The Fine Structure of Striated and Cardiac Muscle and the Sarcoplasmic Reticulum—Dr. A. F. Howatson; Membrane Phenomena—Dr. J. M. Fisher; Renewal of Cell Population in the Body—Dr. E. A. McCulloch; Application of Knowledge of Cell Structure to

Clinical Medicine—Dr. J. W. Steiner.

#### Tuesday, March 29

Immunity, Inflammation and Hypersensitivity. Chairman: Dr. J. W. Steiner. *Morning Session:* Structure and Function of Immune Globulins—Dr. G. E. Connell; Antigen/Antibody Complexes—Dr. I. Broder; Immunological Tolerance—Dr. B. Cinader; Transplantation Immunity—Dr. D. D. MacGregor; Mechanisms of Autoimmunity—Dr. R. Volpé; Complement System and its Relation to

Inflammation—Dr. I. H. Lepow. *Afternoon Session:* Role of Polymorphonuclear Leukocyte Lysosomes in Tissue Injury, Inflammation and Hypersensitivity—Dr. H. Z. Movat; Dysproteinemias—Dr. D. Bergsagel; Immune Disorders of Red Blood Cells—Dr. J. H. Crookston; Pathogenesis of Reactive Disorders—Dr. M. A. Ogryzlo.

#### Wednesday, March 30

Genetics and Neoplasia. Chairman: Dr. J. H. Crookston. *Morning*

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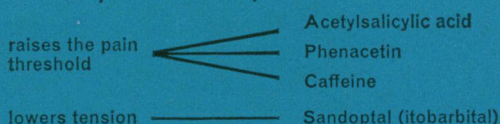
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### MEDICAL NEWS in brief (Continued from page 43)

**Session: Introduction**—Dr. Crookston; X - Chromosome — Dr. M. Thompson; Chromosomes in Neoplasia—Dr. P. E. Conen; Hemoglobinopathies—Dr. Crookston; Inborn Errors of Metabolism — Dr. A. Sass-Kortsak; Pharmacogenetics — Dr. A. Motulsky. **Afternoon Session:** Role of Genetics in Medical Practice — Dr. Motulsky; Mechanisms in Virus Neoplasia—Dr. E. A. McCulloch; Viruses Associated with Human Leukemias — Dr. A. F. Howatson; Chemotherapeutic Agents at the Cellular Level—Dr. W. R. Bruce.

*Thursday, March 31*

**Metabolic and Endocrine Disease. Morning Session** (Chairman: Dr. J. C. Laidlaw): Control of Pituitary Hormone Secretion — Dr. S. Reichlin; Control of Ovulation — Dr. R. Wilson; Calcitonin and Thyrocalcitonin—Dr. A. H. Tashjian; Pathogenesis of Non-toxic Goitre—Dr. R. Volpé; Pathogenesis of Hyperthyroidism — Dr. J. M. McKenzie; Etiology of Diabetes Mellitus—Dr. J. R. Evans. **Afternoon Session** (Chairman: Dr. Volpé): Hypertension and Aldosterone—Dr. J. C. Laidlaw; Chromosomal Disorders in Gonadal Disease—Dr. P. E. Conen; Symposium: Endocrinopathies Associated with Non-endocrine Tumours — Drs. Laidlaw, McKenzie, Meakin, Tashjian, Volpé and Wilson.

*Friday, April 1*

**Cardiovascular Disease. Chairman: Dr. E. D. Wigle. Morning Session:** I. Myocardial Dysfunction: Metabolic Basis of Myocardial Failure—Dr. J. R. Evans; Effects of Heart Rate and Atrial Contraction on Ventricular Function—Dr. D. Beanlands; Significance of Intraventricular Pressure Gradients — Dr. Wigle; Panel Discussion—Drs. Evans, Beanlands and Wigle. II. Vascular Disease: Platelets and Vascular Disease—Dr. J. F. Mustard; Lipids and Atherosclerosis—Dr. J. A. Little; Unusual Aortopathies—Dr. A. C. Ritchie; Panel Discussion — Drs. Mustard, Little and Ritchie. III. Alpha and Beta Adrenergic Receptors: Peripheral Vascular Adjustments in the Development and Treatment of Shock — Dr. M. Nickerson; Beta Adrenergic Blockade: Potential Therapeutic Application — Dr. R. W.

Gunton: Panel Discussion — Drs. Nickerson and Gunton.

The fee for A.C.P. members is \$60; for non-members, \$100. Requests for further information and for registration forms should be directed to: Edward C. Rosenow, Jr., M.D., Executive Director, The American College of Physicians, 4200 Pine Street, Philadelphia, Pa. 19104, U.S.A.

Non-members who have not taken previous ACP courses should write for the special registration form. Vacancies existing three weeks after the release of the course outline will be filled by the registration of non-members from the waiting list.

#### 4TH NATIONAL I.S.A. BIOMEDICAL SCIENCES INSTRUMENTATION SYMPOSIUM

The 4th National Instrument Society of America (I.S.A.) Symposium on Biomedical Sciences Instrumentation will be held May 16-19, 1966, in the Disneyland Hotel, Anaheim, California.

General Chairman of the Symposium is John F. Bishop of Dana Laboratories Incorporated, Irvine, California. Program Co-Chairmen are Dr. Thomas B. Weber, Beckman Instruments, Inc., Fullerton, California, and Dr. Julia Herrick, Jet Propulsion Laboratory, Pasadena, California.

In addition to review lectures presented by invited speakers, the Symposium will include invited and contributed papers in specific areas of biomedical instrumentation.

Interested authors may submit papers for consideration in one or more of the following biomedical instrumentation areas: aerospace biomedical instrumentation; interdisciplinary teaching of biomedical and measurement techniques for the engineer and physician; psychophysiological aspects of predictive medicine; rapid diagnostic techniques; intensive and progressive patient monitoring and care; and cardiovascular, mechanical, and electrical aspects.

Those desiring to present papers should submit a 200-word abstract, before February 15, 1966, to: Dr. Thomas B. Weber, Program Co-Chairman, Beckman Instruments, Inc., 2500 Harbor Boulevard, Fullerton, California 92632, U.S.A.



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